



GP-1641
#6
2/22/02
N0

464.1006 CON6

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: SEUL, Michael

Serial No.: 09/688,574

Filed: October 17, 2000

For: **LIGHT-CONTROLLED ELECTROKINETIC ASSEMBLY OF
PARTICLES NEAR SURFACES**

Examiner: P. Do (Group Art Unit 1641)



**SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the provisions of 37 C.F.R. §1.97, Applicant hereby makes of record the documents listed on the accompanying Form PTO-1449 for consideration by the Examiner in connection with the examination of the above-identified application. Copies of the documents listed in the form are also enclosed.

This Information Disclosure Statement is being submitted in compliance with 37 C.F.R. §1.56 insofar as an Examiner might consider any of the cited documents important in deciding whether to allow the application to issue as a patent, but the citation of each document is not to be

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelop addressed to Assistant Commissioner for Patents, Washington, D.C. 20231.

By Julie Bowker Date: February 11, 2002
Julie Bowker

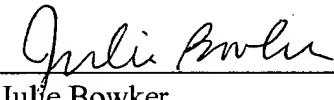
RECEIVED
FEB 20 2002
TECH CENTER 1600/2900

construed as an admission that such document is necessarily relevant or prior art.

Applicant respectfully requests that each document cited in the Form PTO-1449 be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449.

No fee is believed to be due in connection with this submission. If any fee is due, however, the Commissioner is authorized to charge payment of the same to our Deposit Account No. 50-1570.

Respectfully submitted,



Julie Bowker
Registration No. 37,870
Attorney for Applicants

Julie Bowker
60 East 42nd Street
Suite 2918
New York, New York 10165

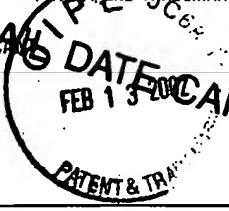
(212) 867-3171

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: 464.1006 CON6		SERIAL NO.: 09/688,574							
LIST OF PRIOR ART CITED BY APPLICANT <small>(Use several sheets if necessary)</small>		O I P E JC68 MAIL DATE CANCELLED FEB 15 2002 PATENT & TRADEMARK OFFICE		APPLICANT(S): SEUL, Michael									
				FILING DATE: October 17, 2000		GROUP: 1641							
U.S. PATENT DOCUMENTS													
*EXAMINER INITIAL		DOCUMENT NUMBER				DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
	AA	4	4	9	9	0	5	2	2/12/85	Fulwyler	422	52	8/30/82
	AB	4	6	4	7	5	4	4	3/3/87	Nicoli et al.	436	518	10/25/85
	AC	4	8	2	2	7	4	6	4/18/89	Walt	436	528	10/26/86
	AD	4	9	9	4	3	7	3	2/19/91	Stavrianopoulos et al.	435	6	7/20/89
	AE	5	0	0	2	8	6	7	3/26/91	Macevitz	435	6	10/24/88
	AF	5	0	2	8	5	4	5	7/2/91	Soini	436	501	6/9/88
	AG	5	1	0	5	3	0	5	4/14/92	Betzig	359	368	1/10/89
	AH	5	1	1	4	8	6	4	5/19/92	Walt	436	528	9/19/89
	AI	5	1	3	2	2	4	2	7/21/92	Cheung	436	501	11/13/89
	AJ	5	1	3	2	0	9	7	7/21/92	Van Deusen et al.	422	82,09	9/4/90
	AK	5	1	4	3	8	5	3	9/1/92	Walt	436	501	2/2/89
FOREIGN PATENT DOCUMENTS													
		DOCUMENT NUMBER				DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION			
										YES	NO		
	AL	0	2	6	9	7	6	4	6/8/88	EP	C12Q	1/68	X
	AM	0	4	7	8	3	1	9	4/1/92	EP	C12Q	1/68	X
	AN	0	7	2	3	1	4	6	7/24/96	EP	G01N	21/64	X
	AO	8	9	1	1	1	0	1	11/16/89	PCT	G01N	33/546	X
	AP	9	3	0	2	3	6	0	2/4/93	PCT	G01N	33/536	X
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)													
	AO	Peterson, et al. "Fiber optic pH probe for physiological use," Anal. Chem. Vol. 52, 864-869 (1980)											
	AR	Peterson, et al, "Fiber-Optic Sensors for Biomedical Applications," Science, 13: 123-127 (1984).											
	AS	Fuh, et al., "Single Fibre Optic Fluorescence pH Probe," Analyst, 112: 1159-1163 (1987).											
EXAMINER							DATE CONSIDERED						

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE							ATTY. DOCKET NO.: 464.1006 CON6		SERIAL NO.: 09/688,574			
<p>LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)</p> <p>O I P E J C 8 8 FEB 15 2002 P A T E N T & T R A D E M A R K O F F I C E</p>		<p>MAILED FEB 15 2002 P A T E N T & T R A D E M A R K O F F I C E C A N C E L L E D</p>							APPLICANT(S): SEUL, Michael					
									FILING DATE: October 17, 2000		GROUP: 1641			
U.S. PATENT DOCUMENTS														
*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE INAPPROPRIATE	
	BA	5	1	9	4	3	0	0	3/16/93	Cheung	427	213.31	1/18/89	
	BB	5	2	4	4	8	1	3	9/14/93	Walt et al.	436	172	4/20/92	
	BC	5	2	4	4	6	3	6	9/14/93	Walt et al.	422	82.07	1/25/91	
	BD	5	2	5	0	2	6	4	10/5/93	Walt et al.	422	82.07	12/21/92	
	BE	5	2	5	2	4	9	4	10/12/93	Walt	436	528	3/30/92	
	BF	5	2	5	4	4	7	7	10/19/93	Walt	436	172	9/19/91	
	BG	5	2	9	8	7	4	1	3/29/94	Walt et al.	250	227.23	1/13/93	
	BH	5	3	0	6	6	1	8	4/26/94	Prober et al.	435	6	1/16/92	
	BI	5	3	2	0	8	1	4	6/14/94	Walt et al.	422	82.07	11/25/92	
	BJ	5	3	6	2	6	5	3	11/8/94	Carr et al.	436	165	5/6/92	
	BK	5	4	0	5	7	8	4	4/11/95	Van Hoegaerden	436	523	2/25/93	
FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	BL	9	3	0	6	1	2	1	4/1/93	PCT	C07H	21/00		X
	BM	9	3	2	4	5	1	7	12/9/93	PCT	C07K			X
	BN	9	7	1	4	0	2	8	4/17/97	PCT	G01N	15/10		X
	BO													
	BP													
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)														
	BQ	Barnard, et al., "A fibre-optic chemical sensor with discrete sensing sites," Nature, vol. 353: 338-340 (1991).												
	BR	Campian, et al. "Colored and Fluorescent Solid Supports," Innovation and Perspectives in Solid-Phase Synthesis . Ed: E. Birmingham (Mayflower, London), pp. 469-472 (1994).												
	BS	Pope, "Fiber optic chemical microsensors employing optically active silica microspheres," SPIE, vol. 2388 : 245-256 (1995).												
EXAMINER									DATE CONSIDERED					
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>														

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: 464.1006 CON6		SERIAL NO.: 09/688,574							
<p style="text-align: center;">LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)</p> <p style="text-align: center;"><i>OPIE JCS FEB 15 2002 PATENT & TRADEMARK OFFICE</i></p>		<p style="text-align: center;">MPEP JCS MAIL DATE FEB 16 2002 PATENT & TRADEMARK OFFICE</p>		APPLICANT(S): SEUL, Michael									
				SEARCHING DATE: October 17, 2000		GROUP: 1641							
U.S. PATENT DOCUMENTS													
*EXAMINER INITIAL		DOCUMENT NUMBER				DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
	CA	5	4	8	0	7	2	3	1/2/96	Klainer et al.	428	441	5/17/94
	CB	5	8	1	4	5	2	4	9/29/98	Walt et al.	436	518	12/14/95
	CC	5	4	9	6	9	9	7	3/5/96	Pope	250	227.21	FEB 20 2004 FEB 10 2004
	CD	5	5	1	2	4	9	0	4/30/96	Walt et al.	436	171	8/1/96 TECH CENTER 1500 29001
	CE	5	5	6	5	3	2	4	10/15/96	Still et al.	435	6	4/13/94
	CF	5	5	6	7	6	2	7	10/22/96	Lehnen	436	518	11/5/93
	CG	5	6	3	3	7	2	4	5/27/97	King et al.	356	445	8/29/95
	CH	5	6	3	3	9	7	2	5/27/97	Walt et al.	385	116	11/29/95
	CI	5	6	5	0	4	8	9	7/22/97	Lam et al.	530	334	6/19/91
	CJ	5	6	5	2	0	5	9	7/29/97	Margel	428	403	1/25/95
	CK	5	6	7	4	6	9	8	10/7/97	Zarling et al.	435	7.92	3/30/95
FOREIGN PATENT DOCUMENTS													
		DOCUMENT NUMBER				DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION			
										YES	NO		
	CL												
	CM												
	CN												
	CO												
	CP												
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)													
	CO	Grazia et al., "In-vivo biomedical monitoring by Fiber-Optic System," Journal of Lightwave Technology, 13, 1396-1406 (1995).											
	CR	Bangs, "Immunological Applications of Microspheres," The Latex Course, Bangs Laboratories (April 1996)											
	CS	"Fluorescent Microspheres (Tech. Note #19)," Bangs Laboratories (1997)											
EXAMINER							DATE CONSIDERED						
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>													

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE							ATTY. DOCKET NO.: 464.1006 CONG		SERIAL NO.: 09/688,574			
 LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)		 MPEP 609 DATE FEB 15 2000 CANCELLED							APPLICANT(S): SEUL, Michael					
									FILING DATE: October 17, 2000		GROUP: 1641			
U.S. PATENT DOCUMENTS														
*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		5	6	9	0	8	9	4						
DA		5	6	9	0	8	9	4	11/25/97	Pinkel et al.	422	68.1	2/28/95	
DB		5	7	0	0	8	9	7	12/23/97	Klainer et al.	528	15	5/30/95	
DC		5	7	7	9	9	7	6	7/14/98	Leland et al.	422	52	6/5/95	
DD		5	9	3	9	0	2	1	8/17/99	Hansen et al.	422	55	1/23/97	
DE		5	9	6	1	9	2	3	10/5/99	Nova et al.	422	68.1	9/30/96	
DF		5	9	6	5	4	5	2	10/12/99	Kovacs	436	149	7/9/96	
DG		6	0	4	8	6	9	0	4/11/00	Heller et al.	435	6	5/14/97	
DH		6	0	9	0	5	4	5	7/18/00	Wohlstadter et al.	435	6	3/6/97	
DI		6	0	9	0	9	1	2	7/18/00	Lebl et al.	530	300	11/23/98	
DJ		6	2	0	0	7	3	7	3/13/01	Walt et al.	430	320	8/24/95	
DK														
FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
		YES	NO											
DL														
DM														
DN														
DO														
DP														
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)														
DO	Egner, et al., "Tagging in combinatorial chemistry: the use of coloured and fluorescent beads," Chem. Commun. pp. 735-736 (1997)													
DR	Fulton, et al., "Advanced multiplexed analysis with the FlowMetrix system," Clinical Chemistry, vol. 43:9, pp. 1749-1756 (1997).													
DS	Scott et al., "Properties of fluorophores on solid phase resins; implications for screening, encoding and reaction monitoring," Bioorganic & Medicinal Chemistry Letters, 7:12, pp. 1567-1572 (1997).													
EXAMINER								DATE CONSIDERED						
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>														

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: 464.1006 CON6		SERIAL NO.: 09/688,574			
<p>LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)</p> <p><i>O P E</i> FEB 15 2002 U. S. PATENT & TRADEMARK OFFICE</p>				APPLICANT(S): SEUL, Michael					
				FILING DATE: October 17, 2000		GROUP: 1641			
U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLASS	FILING DATE	APPROPRIATE
EA								FEB 15 2002	TECH CENTER 1600-2000
EB									
EC									
ED									
EE									
EF									
EG									
EH									
EI									
EJ									
EK									
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
								YES	NO
EL									
EM									
EN									
EO									
EP									
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)									
EQ	Healey et al., "Fiberoptic DNA sensor array capable of detecting point mutations," Analytical Biochemistry, vol. 251, pp. 270-279 (1997).								
ER	"Microsphere Selection Guide," Bangs Laboratories, Inc. (Fisher, IN) (September 1998)								
ES									
EXAMINER				DATE CONSIDERED					
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>									